Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/21 (02-04)

TRANSMITT	٩L
FORM	

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/764,399
Filing Date	1/23/04
First Named Inventor	Loprete
Art Unit	3744
Examiner Name	H. Tanner
Attorney Docket Number	20711-0036

ENCLOSURES (check all that apply)					
☐ Fee Transmittal Form		Drawing(s)	After Allowance Communication to Group		
Fee Attached	I	Licensing-related Papers	Appeal Communication to Board of Appeals and Interferences		
Amendment / Rep	ply	Petition	Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)		
After Final	ŧ	Petition to Convert to a Provisional Application	Proprietary Information		
Affidavits/dec	daration(s)	Power of Attorney, Revocation Change of Correspondence Address	Status Letter		
Extension of Time	e Request	Terminal Disclaimer	Other Enclosure(s) (please identify below):		
Express Abandonment Request		Request for Refund CD, Number of CD(s)	Return Receipt Postcard; Certificate of Mailing; Cited References (3); International Search Report (5 pages)		
☐ Information Disclo	osure Statement		dearon report (5 pages)		
Certified Copy of Document(s)	Priority	Remarks			
Response to Miss Incomplete Applic					
Response to Parts under 3 1.52 or 1.53					
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT					
Firm <i>or</i> Individual name	McNees Wallace & Nurick LLC				
Signature	B-7 Satty				
Date	Date July 23, 2004				
CERTIFICATE OF TRANSMISSION/MAILING					

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal

Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name Betty G. Rye

Signature Date July 23, 2004

This collection of information is required by 37 CFR 1.5. The Information is required 60 obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

July 23, 2004 Date · Betty J. Rye Betty G. Rye Typed or printed name of person signing Certificate

Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Return Receipt Postcard Information Disclosure Statement (3 pages) PTO/SB/08 Cited References (3) PCT Search Report (5 pages)

Attorney Docket No.: 20711-0036

Note:

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Application No.: 10/764,399 Atty. Docket No. 20711-0036 IN THE UNITED STATES PATENT AND TRADEMARK OFFICE JUL 2 6 2004 pplication : LOPRETE, J.F. Group Art Unit: 3744 Application No.: 10/764,399 Examiner: H. Tanner Filed: 1/23/04 Atty. Docket No. 20711-0036 SYSTEM AND METHOD FOR STEPPED CAPACITY MODULCATION IN A REFRIGERATION SYSTEM MAIL STOP AMENDMENT Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 INFORMATION DISCLOSURE STATEMENT SIR: The following are included with this Information Disclosure Statement: \boxtimes A. PTO/SB/08 **B. CERTIFICATION** (37 C.F.R. 1.97(c)-before final Office Action or allowance) **C. \$180.00 FEE PAYMENT** (37 C.F.R. 1.97(c)-before final Office Action or allowance) D. \$180.00 PETITION, CERTIFICATION & PETITION FEE **PAYMENT** (37 C.F.R.1.97(d)-before issue fee payment) The following are submitted in the above-identified application in compliance with 37 CFR 1.98: A copy of each listed U.S. Patent and U.S. Patent application publication [1.98(a)(2)(i)]. \boxtimes A copy of each listed foreign patent and/or published foreign patent

patent application [1.98(a)(2)]:

application. For each listed foreign patent and/or published foreign

Application No.: 10/764,399 Atty. Docket No. 20711-0036 \boxtimes a) the English language version or an English translation if not published in English, if available (see PTO-1449)[1.98(a)(3)]; and/or b) U.S. counterpart patents or English language equivalents of the foreign patents or published foreign patent applications (see PTO-1449); and/or \boxtimes a concise explanation of the relevance of the listed patents, c) publications or other information (see PTO-1449, foreign search report or other, attached), as it is presently understood by the person signing this disclosure, since no English translation is currently available[1.98(a)(3)]. П III. A copy of each listed publication, other than published foreign applications. For each listed publication [1.98(a)(2)]: an English translation, if available, when the original publication is not in the English language (see PTO-1449)[1.98(a)(3)]; П (b) a concise explanation of the listed publications (see PTO-1449), as it is presently understood by the person signing this disclosure, since no English translation is currently available [1.98(a)(3)]. \Box IV. For any other listed information, a copy of the information or that portion which caused it to be listed (see PTO-1449)[1.98(a)(2)(iii)]. ٧. Each listed U.S. Patent, Publication or other information that was previously cited by or submitted to the Office in a prior application, which application is relied upon for an earlier filing date under 35 U.S.C.§ 120 [1.98(d)]. \boxtimes VI. Copies of each listed U.S. Patent and U.S. Patent application publication are not being submitted herewith pursuant to a waiver of 37 CFR 1.98(a)(2)(i) by the USPTO on July 11, 2003 for applications filed after June 30, 2003. This information is submitted in the above-identified application in compliance with 37 C.F.R.1.97 because: \boxtimes 1. This information disclosure is submitted within three months of the filing date of the application, or before the mailing date of the first office action

This information disclosure is submitted before the mailing date of a final action in this application under 1.113[1.97(c)] and the requisite statement

on the merits of the application [1.97(b)].

or fee is provided (see items 6 or 7 below).

2.

Application No.: 10/764,399 Atty. Docket No. 20711-0036

3.	This information disclosure is submitted before the mailing date of a notice of allowance under 1.311 [1.97(c)] and the requisite statement or fee is provided (see items 6 or 7 below).			
4.	This information disclosure is submitted after the mailing date of a final action under 1.113 [1.97(d)] and the requisite statement and fee is provided (see items 6 and 8 below).			
5.	This information disclosure is submitted after the mailing date of a notice of allowance under 1.311, but before the payment of the issue fee [1.97(d)] and the requisite statement and fee is provided (see items 6 an 8 below).			
6.	This information disclosure statement is submitted with the statement required for items 2, 3, 4 or 5 above [1.97(c), (d), (e)]:			
I, Bri	an T. Sattizahn, hereby state the following:			
	Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.			
	No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification after making reasonable inquiry, no item of information contained in this information disclosure was known to any individual designated in 1.56(c) more than three months prior to the filing of this information disclosure statement.			
7.	This information disclosure statement is submitted with the fee of \$180 set forth in 1.17(p) [see items 2 and 3 above]. Please charge this fee and any other fees associated with this application to Deposit Account No. 50-1059. (Please note, no fee is required for items 2 and 3 above if the Item			

Application No.: 10/764,399 Atty. Docket No. 20711-0036

Phone: (717) 232-8000

Fax: (717) 237-5300

8. Please charge this fee and any other fees associated with this application to Deposit Account No. 50-1059.

Respectfully submitted,

McNees Wallace & Nurick LLC Dated: July 23, 2004

> Brian T. Sattizahn Reg. No. 46,401 100 Pine Street

P.O. Box 1166

Harrisburg, PA 17108-1166

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Spostitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known				
Application Number	10/764,399			
Filing Date	1/23/04			
First Named Inventor	Loprete			
Art Unit	3744			
Examiner Name	H. Tanner			
Attorney Docket Number	20711-0036			

	U.S. PATENT DOCUMENTS					
Examiner	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Initials *		Number - Kind Code ² (if known)				
	Α	US-5,050,233	9/17/91	Hitosugi et al.		
	В	US- 3,074,619	10/2/58	Larsson et al.		
	С	US- 5,797,729	8/25/98	Rafuse, Jr. et al.		
	D	US- 5,775,117	7/7/98	Shaw		
	E	US- 4,876,859	10/31/89	Kitamoto		
		US-				
		US-				
		US-				
		US-				
		US-				
,		US-				
		US-				
-		US-				
		US-				
		US-				
		US-				
		US-				
	1	US-				
	1	US-				
	1	US-				

	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite	Foreign Patent Document	Publication Name of Pate Applicant of	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)		Applicant of Cited Document		T°
	1	EP 0 085 454	8/10/83	Avontuur		
	2	EP 0 253 928	01/27/88	Margaux Controls		<u></u>
	3	EP 0 080 916	6/8/83	Froid Satam Brandt		
<u> </u>						

	The state of the s	the same of the sa	
Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.